

## ABSTRACT OF THE DISCLOSURE

In a projector optical system comprising a digital micromirror device for modulating illumination light, a device having a polarization separating surface is provided for separating a luminous flux incident on the digital micromirror device and a luminous flux emitted from the digital micromirror device from each other. A device for rotating a polarization direction is disposed between the polarization separating surface and the digital micromirror device.